

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Original) A catalyst containing at least one group VIII element and at least molybdenum and/or tungsten, said elements being present at least in part in the catalyst in the dry state in the form of at least one heteropolyanion with structural formula  $M_xAB_6O_{24}H_6C_{(3-2x)}$ ,  $tH_2O$  (I);  $M_xAB_6O_{24}H_6C_{(4-2x)}$ ,  $tH_2O$  (I');  $M_xA_2B_{10}O_{38}H_4C_{(6-2x)}$ ,  $tH_2O$  (I'');  $M_xA_2B_{10}O_{38}H_4C_{(8-2x)}$ ,  $tH_2O$  (I'''); or  $M_xA_2B_{10}O_{38}H_4C_{(7-2x)}$ ,  $tH_2O$  (I''''); in which M is cobalt and/or nickel and/or iron and/or copper and/or zinc, A is one element from group VIII of the periodic table for formulae I and I' or 1 or 2 elements from group VIII of the periodic table for formulae I'', I''' and I'''', B is molybdenum and/or tungsten and C is an  $H^+$  ion and/or a  $(NR_1R_2R_3R_4)^+$  type ammonium ion, in which  $R_1$ ,  $R_2$ ,  $R_3$  and  $R_4$ , which may be identical or different, correspond either to a hydrogen atom or to an alkyl group, and/or caesium and/or potassium and/or sodium, t is a number between 0 and 15 and x takes a value in the range 0 to 3/2 in (I), a value in the range 0 to 2 in (I'), a value in the range 0 to 3 in (I''), a value in the range 0 to 4 in (I''') and a value in the range 0 to 7/2 in (I'''')) and in which the number of bonds connecting the group VIII element or elements with the molybdenum and/or tungsten with a length of 3.6 angstroms or less is strictly greater than 2.
2. (Original) A catalyst according to claim 1, in which more than 2 bonds connecting the group VIII element or elements with the molybdenum and/or tungsten have a length of 3.5 angstroms or less in the catalyst in the dry state.
3. (Currently Amended) A catalyst according to claim 1, in which element A is selected from the group ~~constituted by~~ consisting of nickel, cobalt and iron.

4. (Currently Amended) A catalyst according to claim 1 comprising, in the dry state, 0.01% to 100% by weight with respect to the total catalyst weight of at least one heteropolyanion with a structural formula selected from the group ~~constituted by~~ consisting of formulae I, I', I'', I''' and I''''.
5. (Previously Presented) A catalyst according to claim 1, comprising at least one porous mineral matrix.
6. (Original) A catalyst according to claim 5, comprising a zeolitic molecular sieve.
7. (Currently Amended) A catalyst according to claim 5 comprising, in the dry state, as a % by weight with respect to the total catalyst weight, 1% to 99.9% of at least one porous mineral matrix, 0.1% to 99% by weight of at least one heteropolyanion having a structural formula selected from the group ~~constituted by~~ consisting of formulae I, I', I'', I''' and I'''' and 0 to 80% by weight of at least one zeolitic molecular sieve.
8. (Currently Amended) A catalyst according to claim 1, in which the heteropolyanion has a structural formula selected from the group ~~constituted by~~ consisting of  $\text{Co}_2\text{Mo}_{10}\text{O}_{38}\text{H}_4\text{Co}_3$ ,  $\text{CoMo}_6\text{O}_{24}\text{H}_6\text{Ni}_{3/2}$ ,  $\text{CoMo}_6\text{O}_{24}\text{H}_6\text{Co}_2$ ,  $\text{Co}_2\text{Mo}_{10}\text{O}_{38}\text{H}_4\text{Ni}_3$ ,  $\text{Ni}_2\text{Mo}_{10}\text{O}_{38}\text{H}_4\text{Co}_4$ ,  $\text{NiMo}_6\text{O}_{24}\text{H}_6\text{Co}_2$ ,  $\text{CoMo}_6\text{O}_{24}\text{H}_6\text{Ni}_2$ ,  $\text{CoMo}_6\text{O}_{24}\text{H}_6\text{Co}_{3/2}$ , and  $\text{NiMo}_6\text{O}_{24}\text{H}_6\text{Ni}_2$ .
9. (Previously Presented) A catalyst according to claim 1, which has undergone a sulphurization treatment.
10. (Currently Amended) Use of a catalyst according to claim 1 in In catalytic processes for comprising hydrorefining and/or hydroconverting hydrocarbon feeds, the improvement wherein the catalyst is according to claim 1.

11. (Currently Amended) Use A process according to claim 10 in comprising conducting  
hydrogenation, hydrodenitrogenation, hydrodeoxygenation, hydrodearomatization,  
hydrodesulphurization, hydrodemetalization, hydroisomerization, hydrodealkylation or  
dehydrogenation reactions.
12. (Currently Amended) ~~Use of a catalyst according to claim 1 in In a catalytic process~~  
~~comprising conducting hydrocracking of hydrocarbon feeds, the improvement wherein~~  
~~the catalyst is according to claim 1.~~
13. (Currently Amended) Use A process according to claim 10, in which said hydrocarbon  
feeds contain at least one heteroatom.
14. (New) A catalyst according to claim 8, wherein the heteropolyanion is  
 $\text{Co}_2\text{Mo}_{10}\text{O}_{38}\text{H}_4\text{Co}_3$ ,  $\text{CoMo}_6\text{O}_{24}\text{H}_6\text{Ni}_{3/2}$ , and  $\text{NiMo}_6\text{O}_{24}\text{H}_6\text{Ni}_2$ .